

Fig. 1 - Hardware Architecture

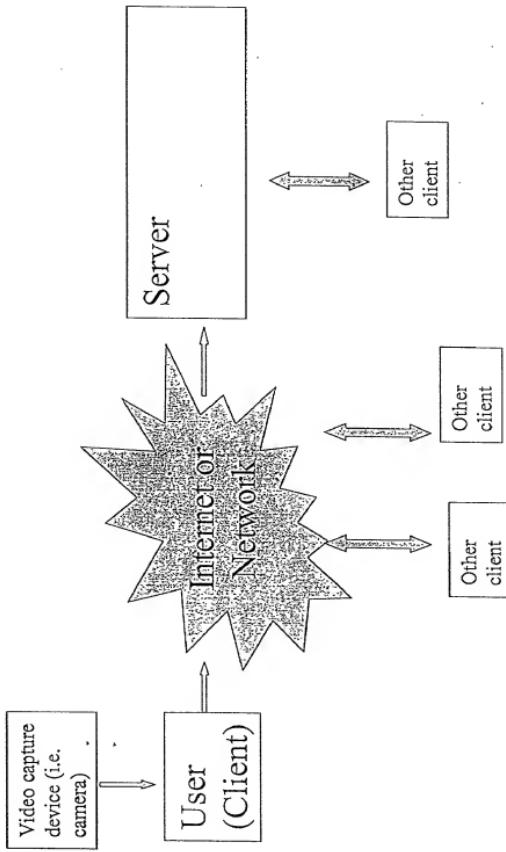


Fig. 2 - Software Architecture

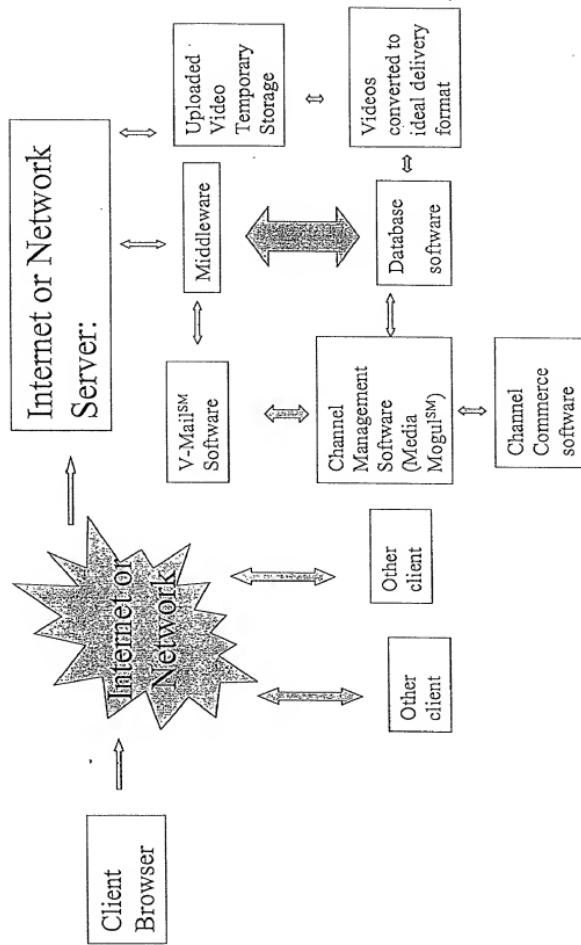
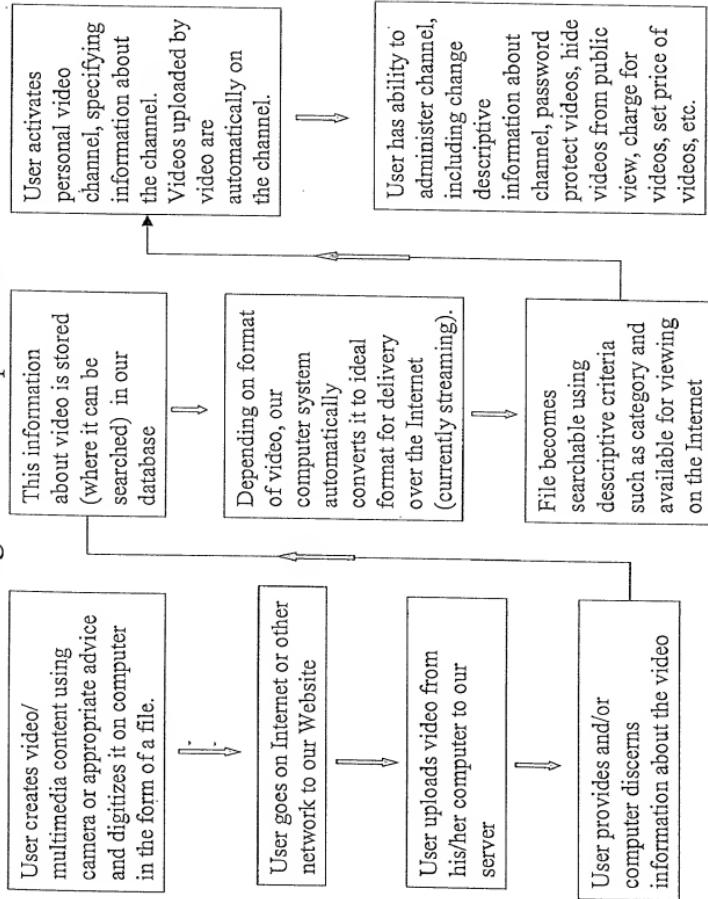


Fig - 3 User Experience



Transfer of Multimedia to a Central Server

		Client Software	Server Software
Step A	Authentication Of User; Login To Server	Via client software	Via network browser
Step B	Multimedia File Selection	Via client software interacting with OS	Via browser interacting with client OS
Step C	File Format Determined File Screening	Via client Transmission-ready Files Transferred To Server Immediately	Via browser Files Transferred to Server (Optionally compressed)
Step D	Encoding and Transfer to Server	Other Files Converted and then Transferred	Transmission-ready Files Left Alone Other Files Converted
Step E	Information About File Obtained	From User and From File Itself	From User and From File Itself
Step F	Files Indexed	By Indexing Software On Server	By Indexing Software On Server

Figure 4

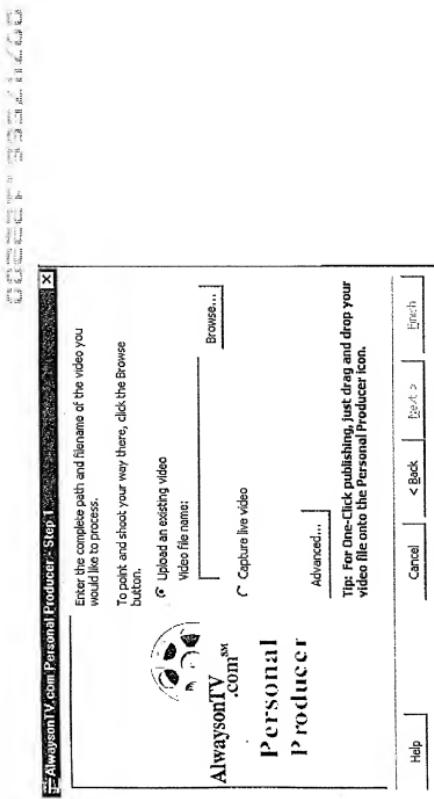


Figure 5

AlwaysonTV.com™
How much can you watch?

Search AOL TV
Movies and TV **Search the Web**
Webcasts-General

**Click Here
for AOL Video**

WOMEN

All Video All The Time - Featuring Thousands of Hours of Video

[Up] [LIVE Now] [Movies] [Business & Technology] [Entertainment] [Personal Video] [Live Cams] [Fashion] [Health] [Travel] [Shopping] [Classifieds]
[Corporate Services] [Join AOL-TV]
[Posting and Hosting]
[Personal Channels]
[Information]

Personal Video: View Videos By Subject

AlwaysonTV.com is proud to enable people around the world to broadcast their videos over the AOL-TV network. View videos by subject. Or post your video or set up your own Personal Channel.

Featured:



Join AOL-TV...it's free!

Need help viewing

video? Click here.

Personal Video Channels Travel

Travel Videos

Personal Video Channels

Search Member's Video

General

General Interest Video

Director's Chair

Director's Chair

Music Videos

Music Videos

Search
Member categories:
AOL-TV Categories:
Politics:
Freedomwatch Have you filmed something extraordinary? Post it here. View videos of immediate value from around the world.

Freedomwatch Information preserves our liberty. Post or see videos here of abuse of privilege or abuse of power. A free press protects our freedom. Dictators beware!

Family:

Figure 6

Roku Video - Does not work in all hardware. Does not support if

AlwaysOnTV.com™

Personal Video Channel

Sponsor: SPANISH LANGUAGE

SVPTelevision

Diversity of the Latin Community that Lives in Canada (Music,Folk,interviews).Para ver SVPTelevision apretar sobre la pantalla Chiquita en donde podras ver entrevistas, musica, folklore de la comunidad Latina en Canada

entrevista a Christian Castro y canta
Angel Jara
 Programa Hispanos en Canada
 Posted on: 04/27/00 11:46 PM

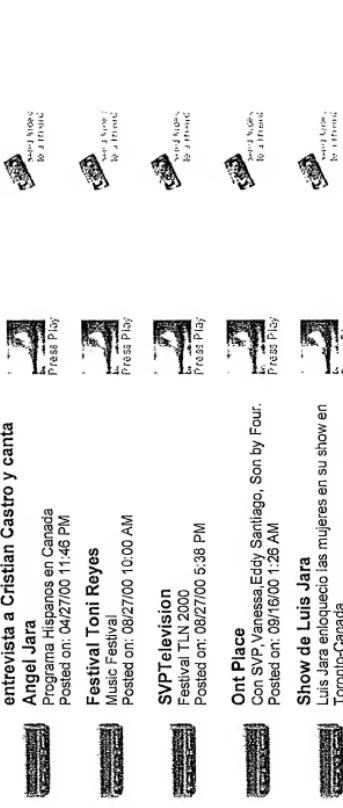
Festival Toni Reyes
 Music Festival
 Posted on: 08/27/00 10:00 AM

SVPTelevision
 Festival TLN 2000
 Posted on: 08/27/00 5:38 PM

Ont Place
 Con SVP, Vanessa Eddy Santiago, Son by Four.
 Posted on: 09/16/00 1:26 AM

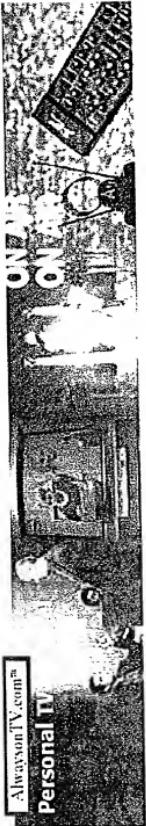
Show de Luis Jara
 Luis Jara enloquedo las mujeres en su show en Toronto-Canada
 Posted on: 09/16/00 7:52 AM

Edit My Channel



□

Figure 7



jellytreeTV UK Dance culture music visuals, festival tv, strange goings on?

Owner: Jellytree
tv@jellytree.demon.co.uk

Edit My Channel

Freechicken Freechicken with Full Frontal at the Ambient lounge Glastonbury 2000. Posted on: 10/27/00 10:25 AM	Retrograde Music video as seen on MTV Europe performed by Retrograde. P/C Dance 2 Records Ltd/Aspect Records. Video produced by Jellytree Video Arts copyright 1999 Posted on: 10/27/00 12:04 PM	Grandwestern Promo music video clip Posted on: 10/27/00 12:45 PM	mutant mirror Posted on: 11/08/00 1:06 PM

Figure 8

AlwaysOnTV.com™

How much can you watch?

[Up] [Posting and Hosting] [Personal Channels] [Information]

Featured:

Get Channel

Parental Protection

AOTV Edge

Join AOTV... It's

Free!

Are you between...

All Video All The Time - Featuring Thousands of Hours of Video

[Up] [Posting and Hosting] [Personal Channels] [Information]

Personal Video Channels

Welcome to AOTV's Personal Video Channels. Here Members showcase their entire collection of videos for friends, relatives or the entire world. Most videos are freely accessible but Channel Owners have the ability, using AOTV's Media Mogul™ software, to password protect, video or even create their own pay-per-view theater. If you're a Member but don't yet have a Channel of your own, get one now for free!



Join AOTV...

It's

Free!

Need help
viewing video?
Click here.



Search by Member's Screen Name

Search

Browse Personal Channels, or

Search by Keyword (such as dog, party or night)

Search

Get a Personal Video Channel, Manage or Edit Your Existing Channel or Add a Video To Your Channel!

To View All Channels, Including Those That May Contain Mature Content, Click Here Or To Remove Parental Protection, Click Here.

Are you between...

Figure 9

AlwaysOnTV.com™

How much can you watch?

www.alwaysontv.com
196 Personal Video Channels are Always On™. Displayed are channels 11 through 20.

[Home](#) [LIVE Now](#) [Movies](#) [News](#) [Business & Technology](#) [Entertainment](#) [Pay-Per-View](#) [Member's Corner](#) [Fashion](#) [Shopping](#) [Classifieds](#) [Corporate Services](#) [Join AOLTV](#)

[BUY BOOKS FOR UP TO 50% OFF](#) [amazon.com](#)

[V-Mail](#) [Send Video to a Friend](#)

[Search the Web](#) [Movies and TV](#) [Webcasts-General](#) [Go](#)

Your Source For Video On The Web

Search AOLTV [Movies and TV](#) [Webcasts-General](#) [Go](#)

hoooon channel. Hoon's Broadcasting Center ÈÈ½½ ¼Ù

eVideo channel. eVideo Artistic videos with a message - VHS copies available - send eMail

dvtest channel. sample videos sample digital videos

mickeyC channel. Music Music radio

nowRECORDING channel. nowRECORDING TV This is a Channel for our videos.

bboilla channel. brock Sonlight, All the time !!

jubilee79 channel. Jubilee '79 religion and social issues

fadein54 channel. LIBRE & SABROSO WILL FEATURE RARE LATIN JAZZ & SALSA FOOTAGE, VIDEOTAPED DURING THE 1980'S.

videoexplorer channel. adventure Share your adventure

Northfield Video channel. Northfield Community Video Project

[Back](#) [Next](#)

Figure 10

AlwaysOnTV.com™
How much can you watch?

Owner: [REDACTED]

AOTV Media Mogul™
Professional Video Management System
Link to my Personal Channel from any Web Page!
Add video to my Channel!
View my Channel in a separate window
(Tip: Hit refresh to see changes you make)

Home My Channel My Videos My Audience My Publicist

Change Your Channel's Title, Description, Theme and Other Features:

Update My Channel

Channel Title Channel Description Channel Password Channel Theme Email Listed on Channel Mature Content
Skiing Videos Extreme_Skiing_in_Jackson_Hole_and_iv.jpg [REDACTED] sking@alwaysonv.co [REDACTED]

Check if Content

*Mature Content is content that due to its subject, imagery or language would be inappropriate for children.

Figure 11

AlwaysOnTV.com™

How much can you watch?

Owner:

AOTV Media Mogul™
Professional Video Management System
[Link to my Personal Channel from any Web Page!](#)

Add videos to my channel!
[View my Channel in a Separate Window](#)
(Tip: Hit refresh to see changes you make)
218 videos are on your channel. Displayed are videos 1 through 10.

Home My Channel My Videos On My Channel On the Web

[Search AOTV](#) [Search the Web](#) [V-Mail](#)
 Send Video to a Friend

[Movies and TV](#) [Go](#)

Your Source For Video On The Web

Hide, Password-Protect or Charge Others to View Videos

Video Title	Hide from Password Set Viewers? Protect?	Make Pay-Per-View
South Beach, Miami on a Windy Day	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Spring skiing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Skiing on Copper	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Welcome	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Corbett's Cooler - Jackson Hole	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Corbett's Too	<input checked="" type="checkbox"/>	<input type="checkbox"/>
birthbd	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Courchevel - off piste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
MITCH TV 100TH ANNIVERSARY SHOW	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adobe premiere tutorial	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Figure 12

Next

AlwaysonTV.com™
How much can you watch?

Owner:

Search AOTV	Search the Web
Movies and TV	[Webcasts-General] <input type="button" value="Go"/>
<input type="button" value="Go"/>	

Your Source For Video On The Web

AOTV Media Mogul™

Professional Video Management System
Link to my Personal Channel from any Web Page!

Add videos to my Channel!

View my Channel in a Separate Window

(Tip: Hit refresh to see changes you make)

218 videos are on your channel. Displayed are videos 1 through 10.

Home My Channel **My Videos** **On AOTV** **On My Channel** **On the Web**

Change Video Title, Description, Categories and Other Features on AOTV

Update My Videos

Video Title	Description	List in AOTV Category	List in Member Category	Change Thumbnail	Thumbnail
South Beach, Miami on beach was	The beach was	Kids		<input type="button" value="Buddha.jpg"/>	
Spring skiing	mud, nor grass, nor	Sports	Extreme sports	<input type="button" value="cam.jpg"/>	
Skating on Copper	skiing, Good waist high	none		<input type="button" value="Maski.jpg"/>	
Welcome	Message	A Welcome	none	<input type="button" value="Microphi.jpg"/>	
Corbett's Cooler - Jack	skiing at Jackson.	Best	none	<input type="button" value="Ball.jpg"/>	
Corbett's Too	run on a great day.	A great	none	<input type="button" value="Dollar.jpg"/>	
birthdayd		Parties		<input type="button" value="membrid.gif"/>	

Figure 13

AlwaysonTV.com™

How much can you watch?

Owner:

123 Main Street, Anytown, USA 12345

AOTV Media Mogul™

Professional Video Management System

Link to my Personal Channel from any Web Page!

Add videos to my Channel!

View my Channel in a Separate Window

(Tip: Hit refresh to see changes you make)

There are 218 videos on your Channel. Displayed are videos 1 through 10.

(Tip: Refresh to see changes you make)

Home

On AOTV

My Channel

On My Channel

My Videos

My Audience

On the Web

My Publicity

Link to Individual Videos from Any Web Page

Video Title	Date Posted	Duration (seconds)	Format	Cut And Paste This HTML into Your Web Page to Play Video (You may change words in red but otherwise copy letter for letter)
South Beach, Miami on a Windy Day	04/05/00 1:18 PM		.ASF	Play Video
Spring skiing	04/05/00 7:05 PM			Play Video
Sting on Copper	04/07/00 11:07 PM	0		Play Video
Welcom	04/08/00 7:55 AM	0		Play Video
Corbett's Cooler - Jackson Hole	04/08/00 10:12 PM	0		Play Video
Corbett's Too	04/08/00 10:29 PM	0		Play Video
birthbd	04/09/00 11:09 PM	0		Play Video
Courchevel - off piste	04/17/00 7:34 PM	1		Play Video

Figure 14

AlwaysOn™TV.com
How much can you watch?

Your Source For Video On The Web

Owner:

Search AOTV Movies and TV	Search the Web
<input type="checkbox"/> Go	<input type="checkbox"/> Webcasts-General
<input type="checkbox"/> Go	<input type="checkbox"/> Go

You have 218 videos.

Home	My Channel	My Videos	Mail to Lists	Mail to Individuals	My Audience	My Publicist	Contact Manager
------	------------	-----------	---------------	---------------------	-------------	--------------	-----------------

AOTV Media Mogul™

Professional Video Management System

You have 218 videos, you can mail. Displayed are videos 1 through 10.

Mail Videos to Your Contacts

Welcome to Mogul's industrial grade—but easy-to-use—video mailer incorporating V-Mail™ technology. First, enter message and select format. Then check the boxes corresponding to videos to mail to each contact list. Using the matrix below, you can create highly complex mailings and publicity campaigns. When satisfied, click Preview Mailing.

Message:

Format: Video greeting card E-mail

Preview Mailing

Mail the Following Videos or Video Selections:	To:	Broad List	Core List	Friends	Family	Press	Other List
A Link to My Channel	<input type="checkbox"/>						
All of My Videos Separately	<input type="checkbox"/>						
All of My Videos in One Email	<input type="checkbox"/>						
Individual Videos							
Grandwestern Radio Caroline	<input type="checkbox"/>						
Grandwestern live	<input type="checkbox"/>						
"Adios al Dolor open"	<input type="checkbox"/>						
G Gundam Sample	<input type="checkbox"/>						
Pretty Face Talking	<input type="checkbox"/>						

Frame 15

AlwaysonTV.com™
How much can you watch?

Owner:

Search AOTV Search the Web
Movies and TV Webcasts-General
 Go

Your Source For Video On The Web

AOTV Media Mogul™

Professional Video Management System
You have 5 contacts on file.

My Channel

My Videos

Mail to Lists

My Audience

Mail to Individuals

My Publicist

Contact Manager

Enter message, choose formfa and select video to mail. Check the box
besides each individual to receive mailing. Then click "Preview Mailing".

Message:

Format: Video greeting card E-mail

Select Video:

Preview Mailing

Individual	Name	Check to Mail
rick	allen	<input type="checkbox"/>
bob	jones	<input type="checkbox"/>
joe	jones	<input type="checkbox"/>
jane	smith	<input type="checkbox"/>
robert	white	<input type="checkbox"/>

Figure 16

AlwaysonTV.com

How much can you watch?

Owner:
[Redacted]

Search AOTV
Movies and TV [Go]

Search the Web
Webcasts-General [Go]

V-Mail [x] [Redacted]

Your Source For Video On The Web

AOTV Media Mogul™

Professional Video Management System

You have 5 contacts.

Home

My Channel

My Audience

My Publicist

Mail to Individuals

Contact Manager

My Videos

Mail to Lists

My Publicist

Contact Manager

Manage Your Contact Lists

(After adding contact or editing contacts, be sure to hit Refresh
to see changes—and before making more changes.)

Add New Contact

First Name	Second Name	E-mail Address	Notes	Broad Core List	Friends List	Family List	Press List	Other List
rick	allen	rick@aol.com	[]	[]	[]	[]	[]	[]
bob	jones	bob@msn.co	[]	[]	[]	[]	[]	[]
joel	jones	joel@aol.com	[]	[]	[]	[]	[]	[]
jane	smith	jane@msn.co	[]	[]	[]	[]	[]	[]
robert	white	rob@aol.com	[]	[]	[]	[]	[]	[]

Update Existing Contacts

Delete Contact

Figure 17

Media Mogul – Audience Tracking

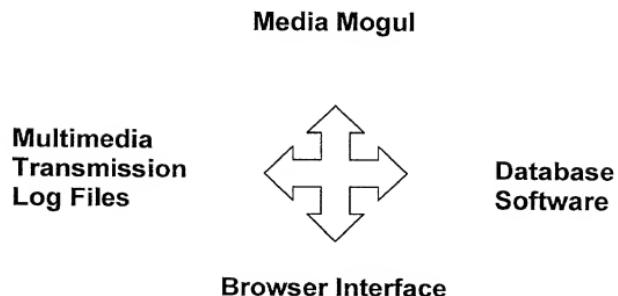


Figure 18

Media Mogul – Security and Digital Rights Management

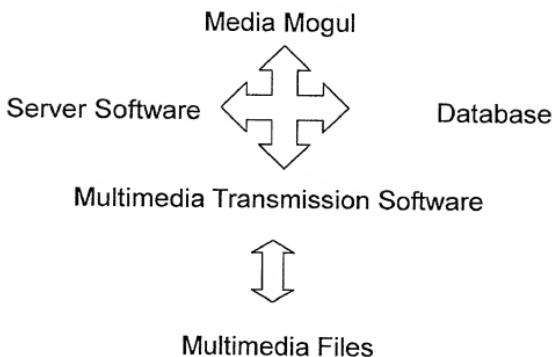


Figure 19

Media Mogul – Indexing of Multimedia and Remote Editing



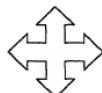
Database Software
Time codes
Keyframes
Search algorithms
Transcript

Multimedia File



Indexing Software

Voice Recognition
Shot Boundary Detection
Key Frame Extraction



Search and Retrieval Engine
Remote Point and Click Editing
Key Frames
Time Codes
Re-Ordering of scenes

Browser Interface
Search
Remote Editing

Figure 20